



## PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2002041143 A

(43) Date of publication of application: 08.02.2002

(51) Int. Cl. G05B 23/02

F04B 49/10, F04B 51/00, G01H 3/08

// F16K 37/00

(21) Application number: 2000231590

(22) Date of filing: 31.07.2000

(71) Applicant: CHIYODA CORP

(72) Inventor: ISOBE HIROSHI  
OKADA KAZUHIDE  
HIOKI TERUO  
HAYASHI JIRO

(54) METHOD FOR DIAGNOSING ABNORMALITY  
OF OPERATING PART AND METHOD FOR  
DIAGNOSING ABNORMALITY OF  
COMPRESSOR VALVE

## (57) Abstract:

**PROBLEM TO BE SOLVED:** To provide a method for diagnosing the abnormality of an operating part capable of individually diagnosing the abnormality of a plurality of operating parts on the basis of an acoustic signal.

**SOLUTION:** An acoustic signal obtained by a microphone 10 is recorded in a data recorder 20. The acoustic signal is filter-processed by a filter device 21 so that at least one filter processing signal in which at least one kind of acoustic waveform corresponding to the frequency components of a sound outputted from at least one operating part of a plurality of operating

parts clearly appears can be obtained. A data analyzer 22 judges the generation of any abnormality in each operating part on the basis of the acoustic waveform.

COPYRIGHT: (C)2002,JPO

